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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

# **United States Patent**

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.

If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.

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Buce Tehman

Commissioner of Patents and Trademarks

Mayorie V. Jumes



US005653746A

# United States Patent [19]

#### **Schmitt**

[11] Patent Number:

5,653,746

[45] Date of Patent:

Aug. 5, 1997

[54]	RADIALLY EXPANDABLE TUBULAR
	PROSTHESIS

- [75] Inventor: Peter J. Schmitt, Garnerville, N.Y.
- [73] Assignee: Meadox Medicals, Inc., Oakland, N.J.
- [21] Appl. No.: 462,230
- [22] Filed: Jun. 5, 1995

### Related U.S. Application Data

[62]	Division 5,443,499	of	Ser.	No.	208,182,	Mar.	8,	1994,	Pat.	No.
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- [51] Int. Cl.<sup>6</sup> ...... A61F 2/06

600/36; 606/195, 198, 194; 604/8

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Primary Examiner—Debra S. Brittingham Attorney, Agent, or Firm—Hoffmann & Baron

#### 57] ABSTRACT

A radially expandable tubular prosthesis which allows for controlled expansion in a circumferential direction following implantation while limiting expansion in a longitudinal direction. The prosthesis is particularly suited to intraluminal implantation via a catheter and is also particularly suited for percutaneous implantation in children.

# 10 Claims, 5 Drawing Sheets

